



PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/678,661	
	Filing Date	October 3, 2003	
	First Named Inventor	David A. Pegram	
	Art Unit	2673	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	4	Attorney Docket Number	2185US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks 1) Postal card for acknowledgment of receipt. 2) Form PTO-1449 with cited references (7).	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Deborah H. Spencer, Registration No.: 50,468		
Signature	<i>Deborah H. Spencer</i>		
Date	January 14, 2004		

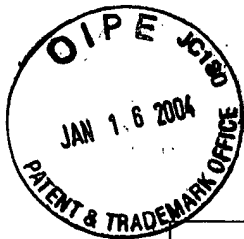
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Laura A. Huntington		
Signature	<i>Laura A. Huntington</i>	Date	January 14, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



CASE 2185US

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, Alexandria, VA 22313

Laura A. Huntington

Type or print name

Laura A. Huntington

Signature

January 14, 2004

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

David A. Pegram et al.

APPLICATION NO: 10/678,661

FILED: October 3, 2003

FOR: **Display of Biological Data to Maximize Human Perception and Apprehension**

Commissioner for Patents
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir,

In accordance with 37 CFR §1.56, Applicants submit the publications cited on the attached Form PTO-1449. Copies of the references are enclosed herewith. It is not believed that additional fees are owed at this time. However, in the case that fees are due, the Commissioner is hereby authorized to charge any additional fees required, or to credit any overpayment, to Deposit Account No. 50-0885.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Respectfully submitted,

Patent Department
Paradigm Genetics, Inc.
108 Alexander Drive
Research Triangle Park, NC 27709
(919) 425 - 3000
Date: January 14, 2004

Deborah H. Spencer
Deborah H. Spencer
Agent for Applicant
Reg. No. 50,468

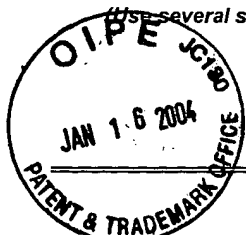
INFORMATION DISCLOSURE CITATION

APPLICATION NO.: 10/678,661

APPLICANT(s): David A. Pegram et al.

FILING DATE: 10/03/03

Group: 2673



(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AM						<input type="checkbox"/>	<input type="checkbox"/>
	AN						<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	Becker, Mortiz et al., <u>Bioinformatics</u> , A Graph Layout Algorithm for Drawing Metabolic Pathways, Vol. 17, No. 5, pp: 461-467.(2001) •
	AS	Coren, Stanley et al., <u>Sensation and Perception</u> , Fourth Edition, Harcourt Brace College Publishers, Chapter Five, pp: 146-176. (1994) •
	AT	Kosslyn, Stephen Michael, <u>Elements of Graph Design</u> , W. H. Freeman and Company, pp: 3-13. (1994) •

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

INFORMATION DISCLOSURE CITATION

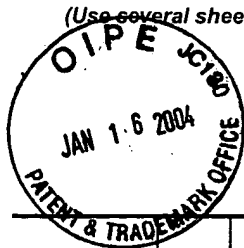
(Use several sheets if necessary)

APPLICATION NO. : 10/678,661

APPLICANT(s): David A. Pegram et al.

FILING DATE: 10/03/03

Group: 2673



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AA	Beroline, G., <u>Technical Graphics in Industry</u> , Second Edition, McGraw-Hill Publishers, pp: 1002-1013. (1997) *
AB	Ware, Colin, <u>Information Visualization - Perception for Design</u> , Morgan Kaufmann Publishers, pp: 84 - 89, 118 - 119, 125 - 126, 162 - 170. (2000) *
AC	Healey, Christopher G. et al., <u>Visualizing Real-Time Multivariate Data Using Preattentive Processing</u> , pp: 190 - 221. <u>5 ACM Transactions on Modeling and Computer Simulation</u> . (1995) *
AD	Cleveland, W.S., <u>The Elements of Graphing Data</u> , Wadsworth Publishers, <u>Graphical Perception</u> , pp: 221- 236, 239 - 243. (1985) *
AE	
AF	
AG	
AH	
AI	
AJ	
AK	
AL	
AM	
AN	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.